Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**2.6 Rotational and Reflectional Symmetry Homework**

Decide whether each of the statements is true of false. Provide a counterexample if the answer is false.

1. If a figure has exactly two lines of symmetry, it has an order of rotation of 2.
2. If a figure has at least three lines of symmetry, it has an order of rotation of at least 3.
3. If a figure has an order of rotation of exactly 2, it has exactly two lines of symmetry.
4. If a figure has an order of rotation of at least 3, it has at least three lines of symmetry.